

BAKULEV, A.N., akademik, glavny red.; BEUSILOVSKIY, L.Ya., prof., zamestitel' glavn.red.; TIMAKOV, V.D., prof., zamestitel' glavnogo red.,.

[Great medical encyclopedia] Bol'shaya Meditsinskaya Entsiklopediya. Vol.15. "Kur-lymfotsity." Izd.2. 1960. 1216 columns. [___ List of articles and terms under the letters "K" and "L"] ___ Perechen' stat'ei i terminov na bukvy "K" i "L". [___ Phonograph record for the article "Tongue-tie"] ___ Grammofoonais plastinka k stat'ie "Kosno-izazychie."
(MIRA 13:6)

(MEDICINE--DICTIONARIES)

ANICHKOV, M.N., dots.; ANTELAVA, N.V., prof.; BISENKOV, N.P., kand.
 med. nauk; BOGUSH, L.K., prof.; GRIGOR'YEV, M.S., prof.;
 DYSKIN, Ye.A., kand. med. nauk; KEVESH, Ye.L., prof.; KOLESOV, A.P.;
 KOLESOV, V.I., prof.; KUPRIYANOV, P.A., prof.; LINBERG, B.E.,
 prof.; MAKSIMENKOV, A.N., prof.; OSIPOV, B.K., prof.;
 SAVITSKIY, A.I., prof.; UVAROV, B.S.; UGLOV, F.G., prof.;
 Kholdin, S.A., prof.; PETROVSKIY, B.V., prof., otv. red.;
 BAKULEY, A.N., akademik, red.; GULYAYEV, A.V., prof., red.;
 YEGOROV, B.G., prof., red.; PANKRAT'YEV, B.Ye., prof., red.;
 PYTEL', A.Ya., prof., red.; RIKHTER, G.A., prof., red.;
 FILATOV, A.N., prof., red.; CHAKLIN, V.D., prof., red.;
 RYBUSHKIN, I.N., doktor med. nauk, red.; RULEVA, M.S., tekhn.
 red.

[Multivolume manual on surgery] Mnogotomnoe rukovodstvo po
 khirurgii. Moskva, Medgiz. Vol.5. [Chest surgery; thoracic wall,
 pleura, and lungs] Khirurgiia grudi; grudnaia stenka, plerva i
 legkie. 1960. 727 p. (MIRA 15:3)

1. Chlen-korrespondent Akademii meditsinskikh nauk SSSR (for
 Antelava, Bogush, Maksimenkov, Savitskiy, Kholdin, Chaklin).
 2. Deystvitel'nyy chlen Akademii meditsinskikh nauk SSSR (for
 Kupriyanov, Petrovskiy, Yegorov).
- (CHEST—SURGERY)

PIROGOV, Nikolay Ivanovich [deceased]; GESELEVICH, A.M., prof.;
ZAVALISHIN, N.I., prof., retsenzent; RUSANOV, S.A., prof.,
retsenzent; SEMEKA, S.A., general-mayor med. sluzhby, red.
toma; RUFANOV, I.G., otv. red.; BAKULEV, A.N., zam. otv. red.;
MAKSIMENKOV, A.N., zam. otv. red.; PETROV, B.D., zam. otv. red.;
VISHNEVSKIY, A.M., red.; DAVYDOVSKIY, I.V., red.; KORNEYEV, V.M.,
red.; KOCHERGIN, I.G., red.; KROTKOV, F.G., red.; BEL'CHIKOVA, Yu.S.,
tekh. red.

[Collected works in eight volumes] Sbranie sochinenii v vos'mi
tomakh. Moskva, Medgiz. Vol.7. [Works on military medicine and
military-field surgery, 1871-1879] Trudy po voennoi meditsine i
voenno-polevoi khirurgii, 1871-1879. 1960. 640 p.

(MIRA 15:7)

(MEDICINE, MILITARY) (SURGERY, MILITARY)

BAKULEV, A.N.; STEPANYAN, Ye.P.

Relation between transaminase and bacterial antihyaluronidase
in the blood serum in mitral stenosis of rheumatic origin.
Grud. khir. 2 no.1:15-20 Ja-F '60. (MIRA 15:3)

1. Iz Instituta grudnoy khirurgii (dir. - prof. A.A. Busalov,
nauchnyy rukovoditel' - deystvitel'nyy chlen AMN SSSR akademik
A.N. Bakulev) AMN SSSR. Adres avtorov: Moskva, Leninskiy
prosp., d.8, Inst tut grudnoy khirurgii AMN SSSR.

(TRANSAMINASES)

(ANTIHYALURONIDASE)

(MITRAL VALVE--DISEASES)

BAKULEV, A.N.; KOLESNIKOV, S.A.; BUKHARIN, V.A.; ZUBAREV, R.P.

First report on the clinical use of a large vasosutural apparatus
for carrying out a cava-pulmonary anastomosis in tetralogy of
Fallot. Grud.khir. 2 no.2: 3-6 Mr-Apr'60. (MIRA 16:7)

1. Iz Instituta grudnoy khirurgii AMN SSSR (dir.prof. A.A.Busalov,
nauchnyy rukovoditel' - akademik A.N.Bakulev). Adres avtorov:
Moskva, Leninskiy prosp., d.8, Institut grudnoy khirurgii AMN
SSSR.

(PULMONARY ARTERY--SURGERY) (VENA CAVA--SURGERY)
(SURGICAL INSTRUMENTS AND APPARATUS) (TETRALOGY OF FALLOT)

BAKULEV, A.N.; RYNEYSKIY, S.V.; SAVEL'YEV, V.S.; BUYANOV, V.M.;
ZUBAREV, R.P.; KOMAROV, B.D.; KOSTENKO, I.G.; MOROZOV, Yu.I.

New method for extracorporeal blood circulation. Grud. khir.
2 no.4:3-5 JI-4E '60. (MIRA 15:6)

1. Iz kliniki fakul'tetskoy khirurgii imeni Spasokukotskogo
(dir. - akademik A.N. Bakulev) II Moskovskogo meditsinskogo
instituta imeni N.I. Pirogova. Adres avtorov: Moskva, Leninskiy
prosp., d.8, Institut grudnoy khirurgii.
(BLOOD--CIRCULATION, ARTIFICIAL)

BAKULEV, A.N.; ZUBAREV, R.P.

Indications for pulmonary valvotomy. Grud. khir. 2 no.5:10-16 8-0
'60. (MIRA 16:5)

1. Iz kafedry fakul'tetskoy khirurgii imeni S.I.Spasokukotskogo
(dir. - akademik A.N.Bakulev) II Moskovskogo meditsinskogo instituta
imeni N.I.Pirogova (dir. - dotsent M.G.Sirotkina) i Instituta grudnoy
khirurgii (dir. - prof. S.A.Kolesnikov) AMN SSSR. Adres avtorov:
Moskva, V-49, Leninskly prospekt, 8, Institut grudnoy khirurgii AMN
SSSR.

(PULMONARY STENOSIS) (HEART—SURGERY)

BAKULEV, A.N., akademik (Moskva)

Pressing problems in the surgical treatment of diseases of the
hematopoietic system. Probl.gemat.i perel.krovi 5 no.1:3-8 Ja
'60. (MIRA 14:6)

(HEMATOPOIETIC SYSTEM—DISEASES)

BAKULEV, A.N., akademik; KOLBNIKOV, S.A., professor

Some problems in surgical treatment of mitral stenosis. Vest.
AMN SSSR 15 no.1:10-17 '60. (MIRA 13:6)

1. Institut grudnoy khirurgii AMN SSSR.
(MITRAL STENOSIS surg.)

BAKULEV, A.N., akad.; **STEPANYAN, Ye.P.,** doktor biolog.nauk;
MURATOVA, Kh.N., kand.med.nauk

Some biochemical changes in patients with chronic coronary insufficiency and myocardial infarct before and after bilateral ligation of the internal mammary arteries. *Khirurgiya* 36 no.10: 8-15 0 '60.
(MIRA 13:11)

1. Is Instituta grudnoy khirurgii (dir. - prof. S.A. Kolesnikov, nauchnyy rukovoditel' - akad. A.N. Bakulev) AMN SSSR.
(CORONARY HEART DISEASE) (BREAST-BLOOD SUPPLY) (BLOOD)

BAKULEV, A.N.; MURATOVA, Kh.N.

Treatment of chronic coronary insufficiency; ligation of the
internal mammary arteries in the second intercostal space.
Klin.med. 38 no.1:41-48 Ja '60. (MIRA 13:10)
(CORONARY HEART DISEASE) (BREAST--BLOOD SUPPLY)

BAKULEV, A.N.; LEBEDEV, V.V.

Experiments in the surgical treatment of acute myocardial
infarct. Klin.med. 38 no.1:48-55 Ja '60. (MIRA 13:10)
(HEART--INFRACTION)

BAKULEV, A.N.; STEPANYAN, Ye P., doktor biol. nauk (Moskva)

Correlation between glutamine transaminase and antihyaluronidase
in the blood serum in mitral stenosis. Klin.med. 38 no.3:34-40
Mr.'60. (MIRA 16:7)
(GLUTAMINE TRANSAMINASE) (ANTIHYALURONIDASE)
(MITRAL VALVE--DISEASES)

BAKULEV, A.N., akademik, glavnyy red.; BRUSILOVSKIY, L.Ya., prof., zam. glavnogo red.; TIMAKOV, V.D., prof., zam. glavnogo red.

[Large medical encyclopedia] Bol'shaya meditsinskaya entsiklopediya. Glav.red. A.N.Bakulev. Moskva, Gos.nauchn.isd-vo "Sovetskaya entsiklopediya." Vol.19. Monofagiya - natsion. Isd.2. 1961. 1104 columns. [___List of articles and terms for the letter "M" and "N"] ___Perechen' statei i terminov na bukvu "M" i "N". 8 p. [___Phonograph record for the article "Metody vrachebnogo issledovaniya." ___Gramofonnaya plastinka k state "Metody vrachebnogo issledovaniya."]

(MEDICINE--DICTIONARIES)

(MIRA 14:3)

BAKULEV, Aleksandr Nikolayevich; KOLESNIKOVA, Rosa Samoylovna;
ROVNOV, S.A., red.; ROMANOVA, Z.A., tekhn.red.

[Surgical treatment of suppurative pulmonary diseases]
Khirurgicheskoe lechenie gnoinykh zabolevani legkikh.
Moskva, Medgiz, 1961. 206 p. (MIRA 15:2)
(LUNGS--SURGERY)

PIROGOV, Nikolay Ivanovich (1810-1881); AKODUS, Ya.I., dots.; GESELEVICH, A.M., prof., retsenzent toma; KOCHERGIN, I.G., retsenzent toma; SEMEKA, S.A., dots., general-mayor meditsinskoy sluzhby, red. toma; RUSANOV, S.A., prof., red. toma; RUFANOV, I.G., otv. red.; BAKULEV, A.N., zastimitel' otv. red.; MAKSIMENKOV, A.N., zastimitel' otv. red.; PETROV, B.D., zastimitel' otv. red.; VISHNEVSKIY, A.A., red.; DAVYDOVSKIY, I.V., red.; KORNEYEV, V.M., red.; KROTKOV, F.G., red.; BEL'CHIKOVA, Yu.S., tekhn. red.

[Collection of works in eight volumes] Sobranie sochinenii v vos'mi tomakh. Moskva, Gos. izd-vo med. lit-ry. Vol.6. [Fundamentals of general field surgery] Nachala obshchei voenno-polevoi khirurgii. pt.2. [(1866) Sevastopol letters, 1850-1855] (1866) Sevastopol'skie pis'ma, 1850-1855. 1961. 466 p.

1. Chlen-korrespondent Akademii meditsinskikh nauk (MIRA 15:2)
(for Kochergin).

(Surgery, Military) (Pirogov, Nikolai Ivanovich, 1810-1881)

^{N.}
BAKULEV, A.M., akad.; SAVEL'YEV, V.S., doktor med.nauk; RYNEYSKIY, S.V.,
kand.med.nauk; GRINBERG, A.A.

Some surgical problems in treating atherosclerotic occlusions
of the aortic bifurcation. Khirurgiia no.8:3-11 Ag '61. (MIRA 15:5)

1. Iz fakul'tetskoy khirurgicheskoy kliniki imeni S.I. Spasoku-
kotskogo (sav. - akad. A.N. Bakulev) II Moskovskogo gosudarst-
vennogo meditsinskogo instituta imeni N.I. Pirogova.
(AORTA--DISEASES) (ARTERIOSCLEROSIS)

BAKULEV, A.N.; LEBEDEV, V.V. (Moskva, ul. Shchukinskaya-Novaya, d.11, kv.25)

Surgical treatment of myocardial infarct in the acute stage.
Grud..khir. 3 no.1:3-8 Ja-F '61. (MIRA 16:5)

1. Is Instituta grudnoy khirurgii (dir. - prof. S.A.Kolesnikov)
AMN SSSR.

(HEART--INFARCTION) (HEART--SURGERY)

BAKULEV, A.N.; MURATOVA, Kh.N.

Catheterization of the sinus venosus in the study of experimental
coronary insufficiency. Grud. khir. 3 no.2:10-16 '61.

(CORONARY HEART DISEASE)
(CARDIAC CATHETERIZATION)

(MIRA 14:4)

BAKULEV, A.N.; STEPANYAN, A.N.; MERKUR'YEVA, R.V.

Chemical, electrophoretic and chromatographic examination of carbohydrates bound with blood serum proteins in coronary insufficiency before and after surgical interventions. *Kardiologiya* 1 no.5:22-29'61
(MIRA 17:4)

BAKULEW, A.N. (Moskwa)

Surgical therapy of coronary disease. Polski przegl. chir. 33
no.7/9:1026-1028 '61.
(CORONARY DISEASE surg)

BAKULEV, A.N., akademik, glavnyy red.; BRUSILOVSKIY, L.Ya., prof. [deceased],
zamestitel' glavnogo red.; ZAVALISHIN, N.I., prof., zamestitel'
glavnogo red.; TIMAKOV, V.D., prof., zamestitel' glavnogo red.

[Large medical encyclopedia] Bol'shaia meditsinskaya entsiklo-
pediya. Glav.red. A.N.Bakulev. Moskva, Gos.nauch.isd-vo "Sovetskaya
entsiklopediya". Vol.25. Plotnost' - porotsefaez. Izd.2. 1962.
1392 columns. [--- List of articles and terms for the letter "P"
(25th vol.)] --- Perechen' statei i terminov na bukvu "P" (dvadtsat'
piatyi tom) 5 p. [---Phonograph record for the article "Heart
defects" (mitral defects of the heart)] --- Gramofonnaia plastinka
k state "Poroki serdtsa" (mitral'nye poroki serdtsa).
(MEDICINE--DICTIONARIES)

BAKULEV, A.N., akademik, glav. red.; BRUSILOVSKIY, L.Ya., prof., zamest. glav. red.; TIMAKOV, V.D., prof., zamest. glav. red.; GRISHINA, L.A., starshiy tekhn. red.

[Large medical encyclopedia] Bol'shaia meditsinskaya entsiklopediya. Glav. red. A.N.Bakulev. Moskva, Gos. nauchn. izd-vo "Sovetskaya entsiklopediya." Vol.24. Persul'faty - ploskostopie. Izd.2. 1962. 1247 columns. [List of articles and terms beginning with the letter "P"] Perechen' statei i terminov na bukvu "P" (dvadtsat' chetvertyi tom). 4 p. [Phonorecord appended to the article "Pleurisy"] Gramofonnaia plastinka k stat'e "Plevrity."
(MIRA 15:2)

(MEDICINE)

BAKULEV, A. N., akad.; KOLESNIKOVA, R. S., kand. med. nauk (Moskva)

Fasting therapy (preliminary report). Klin. med. no.2:14-21 '62.
(MIRA 15:4)

1. Iz fakul'tetskoy khirurgicheskoy kliniki imeni S. I. Spasokukotskogo (sav. - akad. A. N. Bakulev) i Instituta grudnoy khirurgii (dir. - prof. S. A. Kolesnikov) AMN SSSR.

(FASTING)

BAKULEV, A. N.; ZINGERMAN, L. S.

Technic of coronary endarterectomy (Experimental study). Grud.
khir. no.2:25-28 '62. (MIRA 15:4)

1. Is Instituta serdechmo-sosudistoy khirurgii (dir. - prof.
S. A. Kolesnikov; nauchnyy rukovoditel' - akad. A. N. Bakulev)
AMN SSSR.

(CORONARY VESSELS--SURGERY)

BAKULEV, A.N., akademik; KOMAROV, B.D. kand. med. nauk; GRINBERG, A.A.

Aortography in the diagnosis of diseases of the abdominal aorta
and the iliac arteries. Vest. rent. 1 rad. 37 no.5:3-9 S-O '62.

(MIRA 17:12)

1. Iz fakul'tetskoy khirurgicheskoy kliniki imeni S.I. Spasokukotskogo
(direktor - akademik A.N. Bakulev) II Moskovskogo meditsinskogo
instituta im. N.I. Pirogova. Adres avtora: Moskva, ploshchad'
Vosstaniya, dom 1, kvartira 35.

BAKULEV, A.N., akad.; BOGOLEPOV, N.K., prof.; BADALYAN, L.O., kand.med.nauk;
MURATOVA, Kh.N., kand.med.nauk (Moskva)

Neurological aspects of the surgical treatment of coronary disease.
Klin.med. no.9:57-62 '62. (NIRA 15:12)

1. Iz otdeleniya sosudistoy khirurgii (zav. - doktor med.nauk
Yu.Ye. Berezov) Instituta serdechno-sosudistoy khirurgii (dir. -
prof. S.A. Kolesnikov, nauchnyy rukovoditel' - akad. A.N. Bakulev)
AMN SSSR i kliniki nervnykh bolezney (dir. - prof. N.K. Bogolepov)
II Moskovskogo meditsinskogo instituta imeni N.I. Pirogova.
(NEUROLOGY) (CORONARY HEART DISEASE)

BAKULEV, A. N., akad.; KHRUSHCHOVA, V. M.

Study of blood coagulation components and of fibrinolytic activity
in surgical patients before and after surgery. Khirurgia 38
no.7:16-22 J₁ '62. (MIRA 15:7)

1. Iz fakul'tetskoy khirurgicheskoy kliniki (dir. - akad. A. N.
Bakulev) II Moskovskogo gosudarstvennogo meditsinskogo instituta
imeni N. I. Pirogova i gruppy AMN SSSR.

(BLOOD--COAGULATION) (FIBRINOLYSIS)
(SURGERY, OPERATIVE)

BAKULEV, A.N., akad.; RAPOPORT, Ya.L. (Moskva)

Surgical treatment of acute myocardial infarct. Klin.med. 40
no.5:35-40 '62. (MIRA 15:8)

1. Iz Instituta serdechno-sosudistoy khirurgii AMN SSSR (dir. -
prof. S.A. Kolesnikov, nauchnyy rukovoditel' - akad. A.N.
Bakulev).

(HEART--INFARCTION)

BAKULEV, A.N., akademik, glav. red.; ZAVALISHIN, N.I., prof.,
zam. glav. red.; TIMAKOV, V.D., prof., zam. glav. red.;
IL'ICHEVA, K.I., starshiy nauchnyy sotr., red.; GRISHINA,
L.A., starshiy tekhn. red.

[Large medical encyclopedia] Bol'shaya meditsinskaya
entsiklopediya. Glav. red. A.N. Bakulev. Moskva, Gos. nauchn.
izd-vo "Sovetskaya entsiklopediya." Vol. 29. Russkaya -
Seroterapiya. Izd. 2. 1963. 1215 columns. ___ [List of
articles and terms for the letters "R" and "S"] Perechen'
statei i terminov na bukvy "R", "S" (dvadtsat' devyaty tom)
4 p. ___ [Phonorecord of sound phenomena ("Scanning speech")
appended to the article "Multiple sclerosis"] Grammofonnaia
plastinka sodержit zapis' zvukovykh iavlenii ("Skandiro-
vannaya rech'") k stat'ie Rasselennyi skleroz.

(MIRA 16:4)

(MEDICINE--DICTIONARIES)

BAKULEV, A.N.; KOMAROV, B.D.

Results of radical surgical treatment of aortic aneurysms.
Vest. AMN SSSR 18 no.9:19-25 '63. (MIRA 17:9)

1. II Moskovskiy meditsinskiy institut imeni Pirogova.

BAKULEV, A.N., akademik (Moskva, pl., Vosstaniya, d.1, kv.35); KOMAROV, B.D.

Surgical treatment of patients with aneurysms of the thoracic
aorta. Grud.khir 5 no.1:65-71 Ja-F'63. (MIRA 16:7)

1. Iz fakul'tetskoy khirurgicheskoy kliniki (dir. akademik A.N.
Bakulev) II Moskovskogo meditsinskogo instituta imeni N.I.Pirogova
i sosudistogo otdeleniya (zav.- doktor med.nauk Yu.Ye.Berezov)
Instituta serdechno-sosudistoy khirurgii (dir.-prof.S.A.Kolesnikov)
AMN SSSR.

(AORTIC ANEURYSMS) (AORTA—SURGERY)

BAKULEV, A.N., akademik; MOROZOV, Yu.I.

Indications for choledochoduodenostomy. *Khirurgiia* 39 no.11:
3-8 N '63. (MIRA 17:11)

1. Iz fakul'tetskoy khirurgicheskoy kliniki (zav. kafedroy -
akademik A.N. Bakulev) II Moskovskogo gosudarstvennogo medi-
tsinskogo instituta imeni Pirogova.

BAKULEV, A.N., akademik; KOLESNIKOV, S.A., prof.; BURAKOVSKIY, V.I.;
GEL'SHTEYN, G.G.; LEBEDEVA, G.K.; MURAV'YEV, M.V.; MEYTINA, R.A.

Artificial blood circulation in combination with hypothermia in
the surgery of congenital heart defects. Vest.khir. 90. no.2:
10-19 F'63. (MIRA 16:7)

1. Iz Instituta serdechno-sosudistoy khirurgii (dir. - prof.
S.A.Kolesnikov, nauchnyy rukovoditel' - akademik A.N.Bakulev)
AMN SSSR. Adres avtorov: Moskva, V-49, Leninskiy pr., d.8,
Institut serdechno-sosudistoy khirurgii AMN SSSR.
(HEART—SURGERY) (HYPOTHERMIA)
(BLOOD—CIRCULATION, ARTIFICIAL)

BAKULEV, A.N., akademik; PRONIN, V.I., kand.med. nauk

Results and prospects of surgical treatment of coronary insufficiency. Vest.khir. 90. no.3: 3-11 Mr'63. (MIRA 16:10)

1. Iz Instituta serdechno-sosudistoy khirurgii (dir. -prof. S.A. Kolesnikov, nauchnyy rukovoditel' - akademik A.N.Bakulev) AN SSSR. Adres avtorov: Moskva, V-49, Leninskiy pr.d.8, Institut serdechno-sosudistoy khirurgii AN SSSR.
(CORONARY HEART DISEASE)
(CARDIOVASCULAR SYSTEM—SURGERY)

BAKULEV, A.N., akademik; AMBARTSUMYAN, R.G. (Moskva, Okruzhnoy proyezd d.9-a)

Dynamic study of sodium and potassium electrolytes in patients
with various surgical diseases. Vest. khir. 91 no.7:3-7 J1'63
(MIRA 16:12)

1. Iz fakul'tetskoj khirurgicheskoy kliniki (zav. - akademik
A.N.Bakulev) 2-go Moskovskogo meditsinskogo instituta imeni
Pirogova i gruppy AMN SSSR.

BAKULEV, A.N., akademik; SAVEL'YEV, V.S., doktor med. nauk; KOLESNIKOVA, R.S.,
kand. med. nauk (Moskva, prosp. Mira, d. 103, kv. 155); IGNATENKO, S.I.

Method of artificial blood circulation without using heparinized
donor blood. Vestn. khir. Grekov. 90 no.4s3-8 Ap'63 (MIRA 17:2)

1. Iz fakul'tetskoy khirurgicheskoy kliniki (direktor - akademik
A.N. Bakulev) 2-go Moskovskogo meditsinskogo instituta imeni N.I.
Pirogova.

BAKULEV, A.N., KOLETNIKOVA, E.S.

Therapeutic fasting in chronic disease and insufficiency and in
a number of other diseases. Izv. Akad. Nauk. SSSR. Ser. Med. Nauk.
AN Gruz. SSR 8:439-439 1963. (MED 17:7)

1. Kafedra gospiital'noy khirurgii i kardiologii imeni
Moskva.

BAKULEV, A.N.; SAVEL'YEV, V.S.; SAVCHUK, B.D.; KOSTENKO, I.G.; IGNATENKO, S.N.

Indications for a permanent electric stimulation of the heart in atrio-ventricular blocks. Grud. khir. 6 no.2:3-10 Mr-Ap '64. (MIRA 18:4)

1. Klinika fakul'tetskoy khirurgii imeni Spasokukotskogo (dir. - akademik A.N.Bakulev) II Moskovskogo meditsinskogo instituta imeni Pirogova. Adres avtorov: Moskva V-4⁰, Leninskiy prospekt, d.8. I-ya Moskovskaya gorodskaya bol'nitsa.

BAKULEV, A.N.; MURAV'YEV, M.V.; KUKHAROVA, N.S. (Moskva V-49, Ponskaya ul., d.44, kv.18)

Indications for surgical treatment of the defects of the inter-ventricular septum. Grud. khir. 6 no.6:10-16 N-D '64.

(MIRA 18:7)

1. Institut serdechno-sosudistoy khirurgii (direktor - prof. S.A. Kolesnikov) AMN SSSR i klinika fakul'tetskoy khirurgii imeni S.I. Spasokukotskogo (direktor - akademik A.N. Bakulev), Moskva.

BAKULEV, A.N., akademik; SPIRIDONOV, A.A.

Postpericardiotomy syndrome as a complication following implantation of myocardial electrodes in patients with complete atrioventricular block. *Khirurgia* no.10:18-24 '64.

(MIRA 18:8)

1. Klinika fakul'tetskoy khirurgii imeni Spasokukotskogo (dir. - akademik A.N.Bakulev) II Moskovskogo meditsinskogo instituta imeni Pirogova.

BARON, A.E., author & translator

Review of P.I. Sjogvist's book "Histology of the Lungs".
Shingila 40 no.1132 Ja 60.

(HRA 17:11)

BAKULEV, A.N., akademik, glav. red.

[Large medical encyclopedia] Bol'shaia meditsinskaia
entsiklopediia. Moskva, Sovetskaia Entsiklopediia.
Vol.36. 1964. 1238 columns. ___ [Phonorecord for the
article "Epilepsy"] Gramofonnaia plastinka k stat'e
"Epilepsia" no.38. (MIRA 17:12)

BAKULEV, A.N., akademik, glav red.; ZAVALISHIN, N.I., prof.,
zam. glav. red.; TIMAKOV, V.D., prof., zam. glav. red.

[Large Medical Encyclopedia] Bol'shaia meditsinskai
ontsiklopediia. Glav. red. A.N. Bakulev. Moskva, Gos.
nauchn. izd-vo "Sovetskaia entsiklopediia." Vol.34.
Khlorofilly-Ekskokhleatsiia. Izd.2. 1964. 1296 columns.
[List of articles and terms for the letters "Kh", "TS", "Ch",
"S", "Shch", "E"] Perechen' statei i terminov na bukvy
"k", "ts", "ch", "sh", "shch", "e" (tridsat' chertyi
tom) 4 p. [Phonorecord to the article "Tuberculosis"
Gramofonnaia plastinka k stat'e "Tuberkulez," no.36.
(MIRA 17:6)

BAKULEV, A.N.

Heart surgery in the U.S.S.R. VEST. AMN SSSR 19 no.9:34-41 '64.
(MIRA 18:3)

RYABOV, G. A.; KOLESNIKOV, B. A.; BAKULEV, A. N.

"L'indication de l'anesthésie postopératoire chez les malades cardiaques opérés en circulation extracorporelle et hypothermie profonde.

report submitted for 3rd World Cong, Anesthesiology, Sao Paulo, Brazil, 20-26 Sep 64.

RYABOV - Cand Med Sci (travail effectué dans l'Institut de Chirurgie Cardiovasculaire, Moscou.

KOLESNIKOV - Dir, Activiste Emerite des Sciences de la RSFSR.

BAKULEV - Consultant Scientifique, membre de l'Académie.

BAKULEV, A.N., akademik, red.; KOLESNIKOV, S.A., prof., red.;
ROVNOV, A.S., prof., red.; RAPOPORT, Ya.L., prof., red.;
NEZLIN, V.Ye., prof., red.; BEREZOV, Yu.Ye., prof., red.;
STOLYPIN, P.G., nauchn. sotr., red.; LORIYE, K.M.,
nauchn. sotr., red.; POKROVSKIY, A.V., nauchn. sotr., red.;
TSENTSIPER, M.B., nauchn. sotr., red.; ARAPOV, A.D., red.

[Surgical treatment of coronary disease] Khirurgicheskoe
lechenie koronarnoi bolezni. Moskva, Meditsina, 1965.
269 p. (MIRA 18:1)

1. Direktor Instituta serdechno-sosudistoy khirurgii
AMN SSSR (for Kolesnikov).

MAKULEV, A.N., akademik; BUNYATYAN, A.A., kandi. med. nauk;
BURAKOVSKIY, V.I., doktor med. nauk; BUYANOV, V.M., dots.;
GULYAYEV, A.V., prof.; ZARETSKIY, V.V., doktor med. nauk;
IVANOV, V.A., prof.; KOLESNIKOV, S.A., prof.; LOMACHEV,
S.V., prof.; LOPUKHIN, Yu.M., prof.; MURATOVA, Kh.N., doktor
med. nauk; PETROVSKIY, B.V., zasl. deyatel' nauki RSFSR, prof.;
SAVEL'YEV, V.S., prof.; SERGEYEV, V.M., doktor med. nauk;
SOLOV'YEV, G.M., prof.; SOLOV'YEVA, I.I.; BURAKOVSKIY, V.I.,
red.

[Multivolume manual on surgery] Mnogotomnoe rukovodstvo po khi-
rurgii. Moskva, Meditsina. Vol.6. Pt.1. 1965. 577 p.
(MIRA 18:10)

1. Deystvitel'nyy chlen AMN SSSR (for Petrovskiy).

"APPROVED FOR RELEASE: 06/06/2000

CIA-RDP86-00513R000103120016-7

APPROVED FOR RELEASE: 06/06/2000

CIA-RDP86-00513R000103120016-7"

heart stoppage induced by cold, and the second series was staged
under normal temperature conditions with heart stoppage induced

for an incubation mixture of 2 ml and a tissue suspension of 100 mg.

Incubation time was 30 min. Results indicate that the

BAKULEV, A.N., glav. red.; PETROV, F.N., glav. red.

[Popular medical encyclopedia] Populiarnaiia meditsinskaia
entsiklopediia. Moskva, Izd-vo "Sovetskaia entsiklopediia,"
1965. 1039 columns, XXIV p. (MIRA 18:11)

BAKULEV, F.D.

Chernaia metallurgii Iuga Russii
(Ferrous metallurgy of southern Russia). Moskva,
Metallurgizdat, 1953. 248 p.

SO: Monthly List of Russian Accessions, Vol. 7, No. 5, August 1954.

BAKULEV, G.D., professor, doktor ekonomicheskikh nauk; STRUMILIN, S.G.,
akademik, redakter.

[Ferrous metallurgy in the South of Russia] Chernaia metallurgia
Iuga Rossii. Pod red. S.G. Strumilina. Moskva, Gos. nauchno-tekhn.
izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1953. 247 p.

(MIRA 7:7)

(Russia, Southern--Iron industry) (Iron industry-- Russia,
Southern)

BAKULEV, G D

524N/5
735.1
.B1

Razbitiye ugol'noy promyshlennosti Donetskogo Bas-eyna (Development of the coal industry in the Donets Basin) Moskva, Gospolitazd t, 1955.

671 p. illus., maps, tables,

Bibliographical material throughout.

At head of title: Akademiya Nauk SSR. Institut Ekonomiki.

BAKULEV, G. D.

Methods for increasing labor production in the coal-mining industry. Tr. from
the Russian. p. 25.

Vol. 10, no. 3, May/June 1955
MINNO DELO
Sofiya, Bulgaria

So: Eastern European Accession Vol. 5 No. 1 Jan. 1956

BAKULEV, G. D. Doctor of Economic Sciences

"The Tasks of Economic Sciences in Production Automation in Industry."
a paper given at the Conference on Scientific Problems of Production
Automation, Moscow State U. 15-20, Oct 56.

BAKULEV, G., professor.

Criticism of the author should be strict, objective, and helpful. Vop.ekon. no.9:149-151 S '56. (MLRA 9:10)

(White Russia--Peat)

BAKULIN, Grigoriy Dmitriyevich, professor; MIKHAYEV, G.F., otvetstvennyy redaktor; DUBOVA, U.V., redaktor izdatel'stva; MADZINSKAYA, A.A., tekhnicheskii redaktor

[Underground gasification of coal in the U.S.S.R. and in foreign countries] Podzemnaia gasifikatsiia uglei v SSSR i za rubeshom. Moskva, Ugletekhizdat, 1957. 64 p. (MIRA 10:9)
(Coal gasification, Underground)

BAKULEV, Grigoriy Dmitriyevich

[Economic analysis of underground gasification of coal] Ekonomicheskii
analiz podzemnoi gasifikatsii uglei. Moskva, Akad. nauk. 1957. 132 p.
(MLRA 10:5)

(Coal gasification)

Bakulev G.D. PHASE I BOOK EXPLOITATION 435

Bakulev, Grigoriy Dmitriyevich

Voprosy ekonomiki topliva v SSSR (Problems of Fuel Economics in the U.S.S.R.) Moscow, Gospolitizdat, 1957. 93 p. 50,000 copies printed.

Ed.: Ekhin, P.; Tech. Ed.: Troyanovskaya, N.

PURPOSE: This book provides general information in popular form on the development of the fuel industry during the Soviet period.

COVERAGE: The development of the fuel industry in the USSR and the changes in the pattern of fuel production are described in great detail. The known natural fuel reserves in the USSR before World War II were:

Coal	1,443 billion tons
Lignite	211 billion tons
Petroleum	6.4 billion tons
Shale	55 billion tons
Peat	145 billion tons
Natural Gas	986 cu. m.
Wood	24 cu. m.
Water power	280 million kw. per year

Card 1/5

Problems of Fuel Economics in the U.S.S.R 435

Many more resources have been found by geological prospecting and it is claimed that in 1956 reserves amounted to 1590 billion tons of ideal fuel. Reserves in the USA have been estimated at 1550 billion tons, and in Europe (excluding the USSR) at 730 billion tons. The development of the national economy, including such aspects as heavy industry, electrification, etc., required large amounts of fuel. New sources of coal and peat were found in the eastern part of the USSR. A large petroleum center, "Vtoroye Baku", was established between the Volga River and the Ural Mountains. The abundance of fuel resources in the eastern and southeastern USSR stimulated the development of heavy industry (iron industry, metalworking, machine construction, etc.) thus causing an economic upsurge in the formerly undeveloped national republics of the southeastern USSR.

Card 2/ 5

Problems of Fuel Economics in the U.S.S.R.	1913	1955	1960	(Planned)
<u>PRODUCTION OF FUEL</u>				
Coal (million tons)	29.1	391.0	593	
Petroleum (million tons)	9.2	70.8	135	
Peat (million tons)	1.7	51.0		
Gas (billion cu.m.)	0.017	10.35	40	
Electric power (billion kw.hrs.)	1.9	170.1	320	
(incl. water power)	0.04	23.1	59	

During the Sixth Five Year Plan, almost 50 percent of all capital investments in the fuel industry will be made in the eastern part of the USSR, particularly in Siberia and Kazakhstan. About 75 percent of the 1960 petroleum production is expected to come from the Ural-Volga region. Newly discovered sources of natural gas in the Ukraine and in the RSFSR will be exploited and hydroelectric power stations will be built in the eastern regions of the USSR. Several atomic energy plants will be constructed for the production of electric power, and atomic power plants for ice breakers and other types of ships and for land and air transportation are also being developed and greater mechanization of fuel production is planned.

Card 3/5

Problems of Fuel Economics in the U.S.S.R. 435

Rationalization of fuel utilization in order to lower fuel consumption per unit of production is being studied. No personalities are mentioned. There are no references.

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Card 4/5

Problems of Fuel Economics in the U.S.S.R.	435
Methods for Decreasing the Amount of Labor Required and Lowering the Cost of Coal Produced by Shaft Mining	55
Development of the Fuel Industry in the Sixth Five Year Plan	70
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AVAILABLE: Library of Congress (HD9555.R8B33)

BK/ksv
8-6-58

Card 5/5

SOV/112-58-1-997

Translation from: Referativnyy zhurnal, Elektrotehnika, 1958, Nr 1, p 148 (USSR)

AUTHOR: Rakulev, G. D.

TITLE: Tasks of Economic Sciences in the Field of Industrial Automation
(Zadachi ekonomicheskikh nauk v oblasti avtomatizatsii proizvodstva v promyshlennosti)

PERIODICAL: V sb.: Sessiya AN SSSR po nauch. probl. avtomatiz. proiz-va, 1956. Plenarn. zasedaniya, M., AN SSSR, 1957, pp 234-250, discussion pp 251-261

ABSTRACT: The following tasks are formulated: (1) Development of criteria of the effects of mechanization and automation on economics; development of a system of economic indices for use in systematic recording and economical analysis of mechanization and automation. (2) Investigation of the effect of mechanization and automation on the social productivity of labor. (3) Determination of the first-priority branches and productions for most efficient adoption of automation; adoption of complex automation; and determination of the

Card 1/2

SOV/112-58-1-997

Tasks of Economic Sciences in the Field of Industrial Automation

most efficient ways, objects, means, and systems of automation. (4) Theoretical development of the problem of obsolescence of fundamental assets and the problem of technical and economic obsolescence of technology.

V.F.R.

AVAILABLE: Library of Congress

1. Industrial plants--Automation
2. Social sciences--USSR

Card 2/2

BAKULEV, G., doktor ekonomicheskikh nauk.

Improve organisational forms for directing the economy and
development of the fuel supply. Vop.ekon. no.4:130-133 Ap '57.
(MLRA 10:5)

1. Institut ekonomiki AN SSSR.
(Fuel)

VILENSKIY, Matvey Abramovich; BAKULEV, G.D., otv.red.; KLYAUS, Ye.M.,
red.isd-va; GUSEVA, I.N., tekhn.red.

[Development of electrification in the U.S.S.R.] Razvitie
elektrifikatsii SSSR. Moskva, Izd-vo Akad. nauk SSSR, 1958.
182 p. (MIRA 12-1)
(Electrification)

KHACHATUROV, T.S., otv.red.; BAKULEV, G.D., prof., doktor ekonom.nauk,
red.; KLIMENKO, K.I., doktor ekonom.nauk, red.; MITROPANOV, A.I.,
kand.ekonom.nauk, red.; PUCHKOV, S.G., red. [deceased]; BUDARINA,
V., red.; MOSKVINA, R., tekhn.red.

[Economic effectiveness of capital investments and new technology]
Ekonomicheskais effektivnost' kapital'nykh vlozhenii i novoi
tekhniki. Moskva, Izd-vo sotsial'no-ekon.lit-ry, 1959. 614 p.
(MIRA 13:4)

1. Akademiya nauk SSSR. Institut ekonomiki. 2. Chlen-korrespondent
AN SSSR (for Khachaturov).
(Capital investments) (Technology)

BAKULEV, Grigoriy Dmitriyevich, prof., doktor ekonom.nauk; SOLOMENTSSEV,
Dmitriy Gavrilovich, dotsent, kand.ekonom.nauk; TYLKIN, M.M.,
red.; PULIN, L.I., tekhn.red.

[Industry of the Tula Economic Region] Promyshlennost' Tul'skogo
ekonomicheskogo raiona. Tula, Tul'skoe knizhnoe izd-vo, 1960.
366 p. (MIRA 13:7)

(Tula Province--Industries)

KHACHATUROV, T.S., Prinizalni uchastiye: **BAKULEV, G.D.**, doktor ekon.nauk; **VAYNSHTEYN, B.S.**; **VARENTSOV, Ya.P.**; **KLIMENKO, K.I.**, doktor ekon.nauk; **KRASOVSKIY, V.P.**, kand.ekon.nauk; **KURAKOV, I.G.**; **FERBERG, A.S.**, kand.ekon.nauk. **SHUSTER, A.I.**, otv.red.; **STREL'NIKOVA, M.A.**, red.; **GERASIMOVA, Ye.S.**, tekhn.red.

[Standard method for determining the economic effectiveness of capital investments and new technology in the national economy of the U.S.S.R.]
Tipovaya metodika opredeleniia ekonomicheskoi effektivnosti kapital'nykh vlozhenii i novoi tekhniki v narodnom khoziaiatve SSSR. Moskva, Gosplanizdat, 1960. 21 p.
(MIRA 13:7)

1. Akademiya nauk SSSR. 2. Chlen-korrespondent Akademii nauk SSSR (for Khachaturov). 3. Institut ekonomiki AN SSSR (for Bakulev, Klimenko). 4. Institut ekonomiki stroitel'stva Akademii stroitel'stva i arkhitektury SSSR (for Vaynshteyn). 5. Gosplan SSSR (for Varentsov). 6. Nauchno-issledovatel'skiy ekonomicheskii institut Gosplana SSSR (for Krasovskiy). 7. Gosudarstvennyy nauchno-tekhnicheskii komitet SSSR (for Kurakov). 8. Stroybank SSSR (for Ferberg). 9. Nauchnyy sovet po probleme ekonomicheskoy effektivnosti kapital'nykh vlozheniy i novoy tekhniki (for Shuster).
(Capital investments) (Machinery in industry)

BAKULEV, G.D.; KHOMYAKOV, A.I., red. izd-va; DOROKHINA, I.N., tekhn.
red.

[Fuel industry of the U.S.S.R. and the economic efficiency of
capital investments for developing it] Toplivnaia promyshlen-
nost' SSSR i ekonomicheskaiia effektivnost' kapitalovlozhenii v
ee razvitie. Moskva, Izd-vo Akad. nauk SSSR, 1961. 190 p.
(MIRA 16:2)

(Fuel)

BAKULEV, GRIGORIY DMITRIYEVICH

Proyshlennost' Tul'skogo Ekonomicheskogo Rayona (by)
G. Bakulev (1) D. Solomentsev. (Tula) Tul'skoye Kniz-
hnoye izd-vo, 1960.

366 P. Tables. 23 cm.

KOVRIGINA, M.; MESMEYANOV, A.; BAKULEV, I.; KOCHEROIN, I.; OPARIN, A.;
ANICHKOV, M.; NESTEROV, A.; KHOTKOV, P.; CHERNOGOVSKIY, V.; TIMAKOV, V.;
SEVERIN, S.; HUDNYY, G.; SERGIYEV, P.; DOVYDOVSKIY, I.; OREKHOVICH, V.;
TALYZIN, P.; STRUKOV, A.; MIGUNOV, B.; SKVORTSOV, M.

A.I. Abrikosov; obituary. Vest. AN SSSR 25 no.5:65-66 My '55.
(Abrikosov, Aleksel Ivanovich, 1875-1955) (MIRA 8:7)

RAKUL'EV, Illarion Semenovich; VIZGIN, Valentin Alekseyevich; DMITRIYEV,
IVAN Alekseyevich; VISUTSKAYA, R.S., redaktor; GOLUBKOVA, L.A.,
tekhnicheskij redaktor

[Procurement of industrial crops] Zagotovki tekhnicheskikh kul'tur.
Moskva, Izd-vo tekhn. i ekon. lit-ry po voprosam mukomol'no-
krupianoi, kombikormovoi promyshl. i elevatorno-skladskogo khoziai-
stva, 1956. 146 p. (MLBA 10:2)
(Field crops) (Botany, Economic)

BARILEV, Ilirion Sretenovich

8/5
700.104
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ZAKONNI TEKHNIЧЕСКИМ КУЛЬТУР (PROCUREMENT OF TECHNICAL CROIS BY)
I.S. BARILEV MOSCVA, NIIE-OLEDAT, 1956. 140 P. TABLS.

DEKREY I I

AUTHOR: Bakulev, I.V.

117-58-6. 12/36

TITLE: Special Pin-Turner (Spetsial'nyy shpil'kovert)

PERIODICAL: Mashinostroitel', 1958, Nr 6, p 23 (USSR)

ABSTRACT: In the Leningrad Metal Plant, the turning of pins was carried out formerly by means of primitive devices, the productivity of which was very low. A new pin-turner has been developed now by A.T. Ashkinadz (Figure). It consists of a bush with a thread, the diameter of which corresponds to the thread of the turned screw; a press screw; and a handle. The use of this pin-turner increases productivity by 15-20%. There is 1 figure.

ASSOCIATION: Leningradskiy metallicheskiy zavod (Leningrad Metal Plant)

AVAILABLE: Library of Congress

Card 1/1 1. Pins-Turning-Device

BAKEL'SV, P. A.

"Experimental Study of the Operation of a 3-cm Band Reflex Klystron in a Pulse System With Increased Power," pp 25-29, ill, ref

Abst: The characteristics of operation of a klystron generator are examined and results are given of experimental investigations conducted by the author in 1950-1951. An ordinary 3.2-cm band klystron was used as the basis of the study.

SOURCE: Trudy MAI im. S. Ordshonikidze MVO SSSR (Works of the Moscow Aviation Institute imeni S. Ordshonikidze of the Ministry of Higher Education USSR), No 83, Some Problems of Superhigh-Frequency and Pulse Technology, Moscow, Oborongiz, 1957.

Sum 1854

BAKULEV, P.A.
BAKULEV, P.A., kandidat tekhnicheskikh nauk.

Experimental investigation of operation of a reflex klystron
on the three centimeter wavelength in a high power pulse system.
Trudy MAI no.83:25-29 '57. (MLRA 10:8)
(Klystrons)

RAKULOV, T. A.

"Examination of the Frequency Stability of a 3-cm Band Klystron Generator." pp 30-54, ill, 19 ref

Abst: The article is concerned with the theoretical and experimental study of frequency instability of klystron generators, caused by fluctuations of electron current. Experimental apparatus and methods used in the experiments are described. The results obtained may be used in an analysis of the quality of operation of high-frequency units of radar stations.

SOURCE: Trudy MAI im. S. Ordzhonikidze MVO SSSR (Works of the Moscow Aviation Institute imeni S. Ordzhonikidze of the Ministry of Higher Education USSR), No 83, Some Problems of Superhigh-Frequency and Pulse Technology, Moscow, Oborongiz, 1957.

Sum 1854

BAKULEV, P.A., kandidat tekhnicheskikh nauk.

Investigation of the frequency stability of klystron generators
on the three centimeter wavelength. Trudy MAI no.83:30-54 '57.
(MLRA 10:8)

(Klystrons)

B. BAKULEV, F. 11.

PHASE I BOOK EXPLOITATION

724

Bakulev, Petr Aleksandrovich

Radiolokatsionnyye metody selektsii dvizhushchikhsya tseley; uchebnoye posobiye (Radar Methods of Selecting Moving Targets; a Textbook) Moscow, Oborongiz, 1958. 98 p. 15,400 copies printed.

Sponsoring Agency: Moscow. Aviatsionnyy institut imeni Sergo Ordzhonikidze.

Ed.: Grigorash, K.I.; Tech. Ed.: Rozhin, V.P.; Managing Ed.: Zaymovskaya, A.S.

PURPOSE: This is a textbook for students in the radio engineering departments of vuzes. The material is presented on a level appropriate to those grounded in radio engineering, pulse technique, and the transmission and channeling of ultrahigh frequencies.

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Radar Methods of Selecting Moving Targets (Cont.) 724

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AVAILABLE: Library of Congress (TK6575 .B35)		

JP/ksv
10-28-58

Card 4/4

SAYBEL', A.G.; BAKULEV, P.A., dotsent, kand. tekhn. nauk, red.; MASHAROVA,
V.G., red.; SVESHNIKOV, A.A., tekhn. red.

[Principles of radar] Osnovy radiolokatsii. Moskva, Izd-vo
"Sovetskoe radio," 1961. 384 p. (MIRA 14:9)
(Radar)

9,4220

26808
S/142/61/004/002/010/010
E192/E382

AUTHOR: Bakulev, P.A.

TITLE: Frequency-deviation in Reflex Klystrons Due to the Variations of Heater Voltage.

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Radiotekhnika, 1961, Vol. 4, No. 2, pp. 226 - 228

TEXT: The frequency deviation in reflex klystrons as a result of the temperature changes of the cavity-resonator walls caused by the variations of the heater voltage is analysed. The resonator is assumed to be in the form shown in Fig. 1. The resonance frequency of the system is evaluated on the basis of the quasi-stationary theory, it being assumed that the klystron frequency is equal to the resonance frequency. The temperature of the resonator is assumed to be equal to the temperature of the body of the klystron which is regarded as being uniform. The heat-transfer differential equation for the system is:

$$dQ_{\Sigma} = dQ_1 + dQ_2 + dQ_3 \quad (1)$$

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E192/E382

Frequency-deviation

where:

$$Q_{\Sigma} = 0.24 \int_0^t P(t)dt \quad (2)$$

which represents the amount of heat supplied to the body of the klystron. The heat necessary for warming the klystron to the temperature T_K is:

$$Q_1 = m \cdot c_p [T_K(t) - T_H(t)] \quad (3)$$

where T_H is the external ambient temperature. The heat lost by convection to the surroundings is:

$$Q_2 = \alpha_K \cdot S \int_0^t [T_K(t) - T_H(t)] dt \quad (4)$$

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E192/E382

Frequency-deviation

and the heat lost to the ambient by radiation is:

$$Q_3 = c_s \cdot \psi \cdot \epsilon \cdot S \int_0^t \{ [T_K(t) + 273]^4 - [T_H(t) + 273]^4 \} dt \quad (5).$$

In the above equations the following notation is adopted:
 t is time, P(t) is the power of the heating source,
 0.24 cal/W is the mechanical equivalent of heat, m is the
 mass of the klystron, c_p is the specific heat of the klystron,
 α_K is the heat-transfer coefficient to the atmosphere, S is
 the external area of the klystron, c_s is the radiation
 coefficient, ε is a coefficient determining the "black body"
 characteristic of the klystron and ψ is the angular
 coefficient determining the efficiency of heat-transfer. By
 substituting Eqs. (2) - (5) into (1) and assuming that
 T_H = const., the following equation is obtained:

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S/142/61/004/002/010/010
E192/E382

Frequency-deviation

$$0,24P(t) = K_1 \frac{dT_K}{dt} + K_2 [T_K(t) - T_n] + K_3 [T_K(t) + 273] - [T_n + 273] \quad (6)$$

where $c_p m = K_1$, $\alpha_K S = K_2$, $c_p \psi ES = K_3$. The solution of Eq. (6) can be found if T_K is expanded into a Taylor series. By considering only the first two terms of this expansion, the general solution is in the form:

$$\frac{dT_K}{dt} = \frac{0,24 \frac{dP}{dt}}{\frac{K_1}{T} + K_2 + 4K_3 [T_K(t) + 273]} = K(t) \frac{dP}{dt} \quad (7)$$

This expression relates the rate of the temperature changes to the rate of the heater-power variation. The maximum temperature change as a function of the voltage applied to the heater is expressed by:

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Frequency-deviation

$$\left| \frac{dT_n}{dt} \right|_{\max} = K_m \frac{dU_n}{dt} \quad (9)$$

On the other hand,

$$\frac{d\lambda}{dt} = \frac{d\lambda}{dT_n} \cdot \frac{dT_n}{dt} = -\frac{c}{f\lambda} \cdot \frac{df}{dt} \quad (10)$$

where λ , f are the length of the wave and the frequency of the generated oscillations, respectively. The change of the wavelength as a function of temperature can be expressed by:

$$\frac{\partial \lambda}{\partial T_n} = \frac{\partial \lambda}{\partial a} \cdot a + \frac{\partial \lambda}{\partial b} \cdot b + \frac{\partial \lambda}{\partial c} \cdot c = \sum_{i=1}^n \frac{\partial \lambda}{\partial l_i} \cdot l_i \quad (12)$$

where n is the number of the walls in the cavity resonator. The final expression for the frequency changes as a function of the heater voltage is in the form:
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BOOK EXPLOITATION

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Bakulev, Petr Aleksandrovich ⁵⁵

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13+1

Radar location of moving targets (Radiolokatsiya dvizhushchikhsya tsely)

Moscow, Izd-vo "Sovetskoye radio", 1964. 335 p. illus., biblio. 8400 copies printed. Editor: I. M. Volkova; Technical editor: V. V. Belyayeva

TOPIC TAGS: radar, radar detection, radar interference, radar tracking, target discriminator

PURPOSE AND COVERAGE: This book was intended for a wide circle of specialists in the field of radar and also for aspirants and senior students at vuses. The theory and technology of radar devices intended for the radar location of targets moving against a background of interference from both natural and artificial sources are described. The physical bases, the principles of construction, and the possibility of technical achievement of moving-target selection (SDTS) are analyzed. The relationship between tactical indexes of moving-target-selection radar devices

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and their technical parameters is explored. The requirements applied to elements and subassemblies of radar stations from the point of view of obtaining the required operation are determined. The presentation in this book is based on spectral and time characteristics of radar signals. The theory of random processes is widely used, especially for analysis of the interference effect of signals of natural and artificial static and in analysis of the operation of radar devices. The author expresses his gratitude to A. A. Korostelev⁵⁵ Candidate of Technical Sciences, to Engineer I. P. Tsivlin⁵⁵, to Professor A. G. Saybel⁵⁵ Doctor of Technical Sciences, and to Engineers M. B. Tenin, V. N. Diveyev, and A. A. Sosnovskiy.

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Conclusions -- 326

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Cord 3/3

ACC NR: AT6037049

SOURCE CODE: UR/0000/66/000/000/0122/0133

AUTHOR: Bakulev, P. A. (Candidate of technical sciences, Docent)

ORG: none

TITLE: Stability requirements for the units of coherent pulsed radars

SOURCE: Moscow. Aviatsionnyy institut. Teoriya i tekhnika radiolokatsii (Radar theory and techniques); sbornik statey, no. 1. Moscow, Izd-vo Mashinostroyeniye, 1966, 122-133

TOPIC TAGS: coherent radar, radar signal analysis, signal noise separation, pulsed radar

ABSTRACT: Requirements for the stability of the units of coherent pulsed radars operating in the common modes are analyzed. Equations for the stability of different units are derived. The analysis is carried out for radar stations which incorporate the phasing of the coherent heterodyne at the intermediate frequency and where the oscillations are also compared at the intermediate frequency. It is shown that the suppression of signals from stationary targets is determined by the stability of the voltage amplitude at the input to the compensation system. This stability in turn depends on the phase of the transmitter signal, the phase of the local heterodyne, the phase shift of the reflected signal and the phase of the delayed transmitter pulse. The ef-

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fect of instability in the various units is discussed for different disturbances. It is shown that when a small number of pulses are received from the target during the search mode it is desirable to use narrow suppression bands which are compatible with the duration of pulse packets. In the tracking mode it is desirable to operate with wide suppression bands and with low stability requirements. Orig. art. has: 2 figures, 34 formulas.

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SUBM DATE: 15Jul66/

ORIG REF: 001/

OTH REF: 001

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BAKULEV, S.N.

Methodology for the examination of livor mortis. Sud.-med. eksp.
8 no.3:30-33 J1-S '65. (MIRA 18:9)

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Ivanovskogo meditsinskogo instituta.

PHASE I BOOK EXPLOITATION

SOV/4801

Markov, N.I., and V.I. Bakulev

Raschet vysotno-skorostnykh kharakteristik turboreaktivnykh dvigateley (Calculating the Altitude and Velocity Characteristics of Turbojet Engines) Moscow, Oborongiz, 1960. 79 p. 4,750 copies printed.

Ed.: I.L. Yanovskiy, Engineer; Managing Ed.: A.S. Zaymovskaya, Engineer; Ed. of Publishing House: M.S. Anikina; Tech. Ed.: V.I. Oreshkina.

PURPOSE: This textbook is intended for students of senior courses and for graduate students specializing in aviation turbojet engines. It may also be useful to workers of design bureaus and industrial establishments.

COVERAGE: The book deals with heat calculations of turbojet engines and with the calculation of altitude and speed characteristics of turbojet engines according to component characteristics. Theory is briefly described and basic equations are given for the calculations. Various regulating and reheating methods are discussed. The method of formation of the line of simultaneous operation of compressor and turbine is worked out in detail. A method for calculating altitude and speed characteristics is given. In this method various types of engine regulation are taken under consideration. A simplified method for cal-

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Calculating the Altitude (Cont.)

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Calculating altitude and speed characteristics is mentioned. Examples of the characteristics of compressors for various pressures are included along with tables and nomograms for computing fuel consumption. Both Soviet and non-Soviet sources were used. N.I. Markov wrote Chs. I and II; V.I. Bakulev wrote Ch. IV; the others were written jointly. No personalities are mentioned. There are 5 references, all Soviet.

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